



Project: Alaska Copper Works

Inspection Date: 10/3/19

Project No.: 19ACW1

Technician: Elaine Lytle

System Performance:

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm)	Influent	<u>104.6</u>	Effluent	<u>54.7</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>9</u>	Effluent	<u>9</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>9</u>	Effluent	<u>8</u>	
Carbon Filter Pressures (Lead)	Influent	<u>9</u>	Effluent	<u>5</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>4</u>	Effluent	<u>0</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	no issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	clear of obstructions and reading properly
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	reading properly
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	no leaks or cracks
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	no issues
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	some garbage in acid storage, otherwise site is clean
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	two 55 gallon drums, both full
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	apron, gloves, face shield, HASP on site
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	verified



Water Sampling:

Were water samples taken? ☒ Yes ☐ No

Raw water:	pH	<u>6.69</u>	Turbidity	<u>11.4</u>	NTU
Bag Filter Influent	pH	<u>7.41</u>	Turbidity	<u>5.53</u>	NTU
Bag Filter Effluent	pH	<u>8.48</u>	Turbidity	<u>4.97</u>	NTU
Carbon Filter Influent	pH	<u>7.52</u>	Turbidity	<u>3.57</u>	NTU
Carbon Filter Effluent	pH	<u>7.15</u>	Turbidity	<u>1.94</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: N/A

Was Walchem data downloaded? ☒ Yes ☐ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: N/A

Treatment tank: N/A

Backflush tank: N/A

Main lift station: N/A

North lift station: N/A

South lift station: N/A

Additional Comments, Recommendations and System Upsets:

Elaine Lytle
Technician

Water Treatment Tech
Title

10/3/19
Date

Submit